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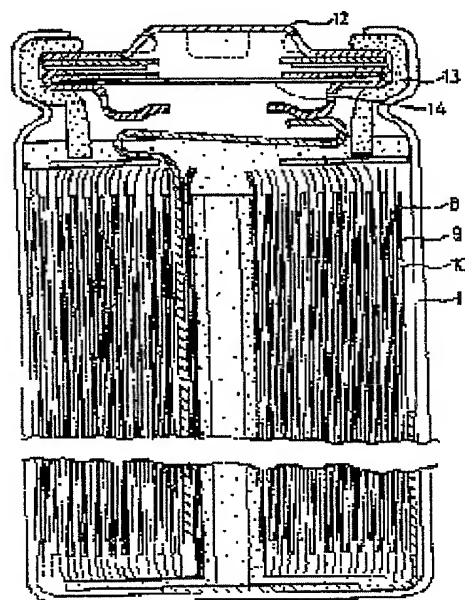
(54) **NON-AQUEOUS SECONDARY BATTERY**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a non-aqueous secondary battery having excellent over-charging safety and restricted in dendrite growth of the lithium metal during charging.

**SOLUTION:** This non-aqueous secondary battery is formed of a positive electrode sheet 8 including the positive electrode active material, a negative electrode sheet 9 including the negative electrode active material capable of storing and discharging the lithium, the non-aqueous electrolyte including lithium salt and a separator 10. In this case, the positive electrode active material is mainly formed of the metal oxide or the metal sulfide, which includes at least one kind of atom to be selected among vanadium, copper, iron, titanium, molybdenum and chrome and which does not previously and practically include lithium related to charge and discharge, and a metal foil mainly composed of lithium is previously attached to the negative sheet 9.





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		通表頁に続く	

(54) 発明の名称 非水二次電池

## (57) 【要約】

【目的】 高効率、安全性に 우수하고, 充放電時の 리튬 (Lithium) 금속의 수지상 성장에 의해된 비수 2차 전지를 제공하는。

【 해결 수단 】 정극활물질에 함유한 정극 전지 (seat), 리튬 (Lithium)을 용접 가능인 음극재료를 함유한 음극 전지 (seat), 리튬 (Lithium) 소금을 포함한 비수 전해질 및 분리기 (separator)로부터 구성된 비수 2차 전지에 있다. 한편, 정극활물질이 바나듐 (Vanadium), 텅, 철, 티타늄 (titanium), 몰리브덴 (Molybdenum), 크롬 (chrome)로부터 선택된 적어도 1 개의 원자를 포함하고, 또한, 충전전에 관여한 리튬 (Lithium)을 미리 실질적으로 함유하지 않는다 금속 산화물 또는 금속 황화물이고, 또한, 음극 전지 (seat)에 리튬 (Lithium)을 주체로 한 합금수막이 미리 함유되었던 것을 특징으로 한 비수 2차 전지。